



Date: November 30, 1982

Subject: Alumina Analysis

From/Location: D. M. Blake

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Attached is a compilation of analytical work on alumina samples from Alpart, Reynolds (Sebree) and Kwinana (Columbia Falls). The table compares results from Tucson, Columbia Falls and Alcoa laboratories.

Scanning the results in general shows differences in results which are probably random, e.g. agreement on two out of three samples as is found with percent alpha alumina. There is a consistent discrepancy between all three lab values in the free moisture and between Alcoa and Columbia Falls in the 300°-1200°C LOI. Columbia Falls may be low on Na₂O analyses.

A more complete review will be made after we complete the tests not done yet in our laboratory and resolve the problem in our attrition test equipment.

D. M. BLAKE

DMB:pm

Attachment